

ABSTRACT OF THE DISCLOSURE

The present invention is a structural reinforcement part for use in automobile assembly comprising a molded shell substantially filled with a structural filler material and an expandable adhesive in contact with the exterior of the molded shell;

5      wherein the structural filler material does not undergo or require any chemical reaction or expansion, after part installation or during automotive assembly. This simplified structural reinforcement part does not require the in-situ foaming process of the prior art and produces a strong lightweight structural member which can be adhered to the automotive skeleton via the expandable adhesive upon exposure to heat during automotive assembly. This structural member offers easy installation, since no bulk systems, pumps or additional equipment is required.

10